

U.S.S.N. 10/723,782

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03-0459 (BOE 0456 PUS)

**REMARKS**

In the Office Action dated June 15, 2005, claims 1-40 are pending. The Office Action states that the claims are directed to separate and distinct inventions and for that reason an election is required and a restriction for examination purposes is proper.

The Office Action groups claims 1-40 into a Group I having claims 1-13 and 23-34 and into a Group II having claims 14-22 and 35-40. The Office Action states that Group I is drawn to a method of calibration, classified in class 244, subclass 79 and that Group II is drawn to a gyro calibration system, classified in class 244, subclass 171. Applicants elect Group I without traverse. Claims 1-13 and 23-34, as noted, are readable on Group I.

In paragraph 6, the Office Action states that upon election of Group I or II, Applicant is required under 25 U.S.C. 121 to elect a single disclosed species of controlling means for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicants elect Group a to onboard flight software. Claims 1-7, 9-13, and 23-34 are readable on Group a. The Office Action states that currently there are no claims that are generic. Applicants, respectfully, traverse. Applicants submit that independent claims 1 and 23, for example, are generic and broadly cover the material recited in claims 2-12 and 24-34 for which they depend therefrom.

In paragraph 7, the Office Action states that upon election of Group I or II, Applicant is required under 25 U.S.C. 121 to elect a single disclosed species of attitude determinates for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicants elect Group d to onboard sensors. Claims 1-13, and 23-34 are readable on Group d.

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In paragraph 8, the Office Action states that if Applicants elect Group e then the Applicants are further required under 25 U.S.C. 121 to elect a single disclosed species of communication stations for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicants did not elect Group e and thus this election is not applicable.

In paragraph 9, the Office Action states that upon election of Group I or II, Applicant is required under 25 U.S.C. 121 to elect a single disclosed species of reorientation mechanisms for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicants submit that none of the elected claims recite a reorientation mechanism and thus, this election is also not applicable.

In paragraph 10, the Office Action states that upon election of Group I or II, Applicant is required under 25 U.S.C. 121 to elect a single disclosed species of step for determining gain scheduling signal for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicants submit that none of the elected claims recite the determination or generation of a gain scheduling signal. Gain scheduling refers to a set of tasks that are performed. However, Applicants elect Group I to threshold of yaw transient errors. Claims 23 and 25 are readable on Group I.

In paragraph 11, the Office Action states that upon election of Group I or II, Applicant is required under 25 U.S.C. 121 to elect a single disclosed species of gain scheduling for attitude estimation for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicants elect Group p to disabling one or more gyro calibration procedures. Claims 28-30 are readable on Group p.

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In paragraph 12, the Office Action states that if Applicants elect Group p then the Applicants are further required under 25 U.S.C. 121 to elect a single disclosed species of the direction of disablement for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicants elect Group s to yaw. Claims 28-30 are readable on Group s.

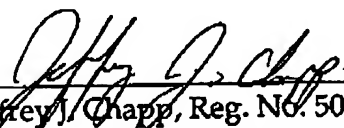
In paragraph 13, the Office Action states that if Applicants elect Group q then the Applicants are further required under 25 U.S.C. 121 to elect a single disclosed species of calibration type to be performed with gain scheduling for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicants did not elect Group q and thus this election is not applicable.

In paragraph 14, the Office Action states that if Applicants elect Group r then the Applicants are further required under 25 U.S.C. 121 to elect a single disclosed species of calibration type to be performed with covariance resetting for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicants did not elect Group r and thus this election is not applicable.

Should the Examiner have any questions or comments, he is respectfully requested to contact the undersigned attorney.

Respectfully submitted,

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